WBLE-SL ▶ UECM140	4-202301-EZZ ▶ Quizzes ▶ 202301UECM	14040E1a ► Review of preview	Update this Quiz					
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	Monday, 6 February 2023, 01:01 PM							
	Monday, 6 February 2023, 01:01 PM							
Time taken								
Grade	<b>0</b> out of a maximum of 10 ( <b>0</b> %)							
<b>1</b> 🕏 Marks: 1	Simon deposits 14,000 in a bank. Du bank. Calculate i.	ring the first year, the bank credits an annual effective rate of interest i. During the second year, the bank credits an annual effective rate of interest (i-4%). At the end of two years, he has 15,400.00 i	n the					
	Answer:	x						
	Make comment or override grade							
	Incorrect							
	Correct answer: 0.069							
	Marks for this submission	: 0/1.						
<b>2</b> 🗹 Marks: 1		ffective annual interest rate of i during the first 8 years, and at an effective annual interest rate of 3.5i thereafter. A deposit of 1 is made into the fund at time 0. It accumulates to 5.69 at the end of 20 years. What is the value of deposit at the end of 13 years?						
	Answer:							
	Make comment or override grade							
	Incorrect							
	Correct answer: 2.441386							
	Marks for this submission	: 0/1.						
<b>3 №</b> Marks: 1		140 into Fund Y. Fund Y earns compound interest at the annual rate of j > 0, and Fund X earns simple interest at the annual rate of 1.07j. At the end of 2 years, the amount in Fund Y is equal to the unt in Fund Y at the end of 6 years.						
	Answer:	x						
	Make comment or override grade							
	Incorrect							
	Correct answer: 307.296167							
	Marks for this submission	: 0/1.						
4 🗑 Marks: 1	Jeremy borrows 2,000 from Becky at the amount of Jeremy's second paym	an anuual effective rate of interest i. He agrees to pay back 2,000 after 9 years and 4,871.0152 after another 9 years. Three years after his first payment, Jeremy repays the outstanding balance. Wha lent?	t is					
	Answer							
	Answer:	X						

## Make comment or override grade

Incorrect
Correct answer: 2934.354337

Marks for this submission: 0/1.

<b>5</b> 🕝 Marks: 1	At an annual effective interest rate of $i$ , $i > 0$ , the following are all equal:				
	<ul> <li>the present value of 11,000 at the end of 8 years;</li> <li>the sum of the present values of 5,600 at the end of year t and 50,000 at the end of year 2t; and</li> <li>6,260.30 immediately.</li> </ul>				
	Calculate the present value of a payment of 7,000 at the end of year $t+1$ using the same annual effective interest rate				
	Answer:	X X			
	Make comment or override grade Incorrect Correct answer: 1971.797721 Marks for this submission	: 0/1.			
<b>6 ☑</b> Marks: 1	A deposit of 240 is made into a fund interest earned over the 14 years are	which pays an annual effective interest rate of 6% for 14 years. At the same time, 120 is deposited into another fund which pays an annual effective rate of discount of d for 14 years. The amounts of equal for both funds. Calculate d			
	Answer:	X X			
	Make comment or override grade Incorrect				
	Correct answer: 0.086002  Marks for this submission	: 0/1.			
<b>7</b> 🖢 Marks: 1	A loan of 8,000 is made at an interes amount of final payment	t rate of 8% compounded quaterly. The loan is to be repaid with three payments: 3,200 at the end of first year, 6,400 at the end of 4-th year, and the balance at the end of the tenth year. Calculate the			
	Answer:	x			
	Make comment or override grade Incorrect Correct answer: 842.679412 Marks for this submission	: 0/1.			
<b>8 ☑</b> Marks: 1	Brian and Jenny each take out a loan of X. You are given:  • Jenny will repay her loan by making one payment of 1100 at the end of year 25. Brian will repay his loan by making one payment of 2100 at the end of year 25.				
		nvertible monthly being charged to Jenny is exactly one-half the nominal rate of interest convertible monthly being charged to Brian.			
	Calculate X	invertible monthly being charged to Jenny is exactly one han the nominal rate of interest convertible monthly being charged to brian.			
	Calculate X	invertible monthly being changed to Jenny is exactly one han the nominal rate of interest convertible monthly being changed to brian.			
	Calculate X	X			
	Answer:  Make comment or override grade Incorrect	X			
	Answer:  Make comment or override grade	x			
	Answer:  Make comment or override grade Incorrect Correct answer: 575.802254 Marks for this submission	: 0/1.			
9 🗑 Marks: 1	Answer:  Make comment or override grade Incorrect Correct answer: 575.802254 Marks for this submission	x			
	Answer:  Make comment or override grade Incorrect Correct answer: 575.802254 Marks for this submission  Fund P accumulates at a nominal rate	: 0/1.			

Incorrect

Correct answer: 138.536533

Marks for this submission: 0/1.

ΤO	-	
Mark	·s· 1	

Investment A for 270,000 is invested at a nominal rate of interest, j, convertible semiannually. After 5 years, it accumulates to 876,776.68.

Investment B for 270,000 is invested at a nominal rate of discount, k, convertible quarterly. After 3 years, it accumulates to 1,210,005.09.

Investment C for 270,000 is invested at an annual effective rate of interest equal to j in year one and an annual effective rate of discount equal to k in year two.

Calculate the value of investment C at the end of two years.

Answer:

Make comment or override grade

Incorrect

Correct answer: 636792.45283

Marks for this submission: 0/1.

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